

1. CONTRACTOR: <b>SSAI</b>	2. CONTRACT NO.: <b>NNG12HP08C</b>	3. TASK/REVISION NO.: Task Order #079
4. JOB ORDER NO./PROJECT:	5. FLIGHT HARDWARE /SOFTWARE; CRITICAL GSA (IF, YES, OBTAIN BLOCK 16 CONCURRENCE): YES <input checked="" type="checkbox"/> NO	6. DESIGNATED FLIGHT ASSURANCE MGR.:

7. DESCRIPTION OF WORK TO BE PERFORMED (OBJECTIVES OR RESULTS DESIRED):  
**Support in Analysis of Satellite and Aircraft Trace Constituent Data**

8. TASK DOCUMENTATION REQUIREMENTS/DELIVERABLE ITEMS:  
  
(See Attached Task Order)

9. PERFORMANCE/MILESTONE SCHEDULE:  
  
**May 1, 2015 – April 30, 2016**

10. QUALITY ASSURANCE REQUIREMENTS:  
  
N/A

11. TRAVEL, MATERIALS, ETC., KNOWN TO BE REQUIRED:  
  
(See Attached Task Order)

12. OTHER (FUNDING, NTE, HOURS, ETC.):  
  
Total Cost:  
Fee:  
Total Price:            \$27,730

13. TASK ORIGINATOR/MONITOR/CODE/PHONE:  
  
Bryan Duncan/614.0/4-5994

14. BRANCH APPROVAL:

15. DIVISION  
CONCURRENCE:

18. THIS TASK ORDER IS ISSUED  
PURSUANT TO THE TERMS OF  
THE CONTRACT.

*Ayana Briscoe 4/21/15*  
\_\_\_\_\_  
CONTRACTING OFFICER'S  
SIGNATURE/ DATE  
Ayana A. Briscoe

16. CONTRACTING OFFICER'S TECHNICAL  
REPRESENTATIVE:  
  
Joel Susskind

\_\_\_\_\_  
Contracting Officer  
TYPED OR PRINTED NAME

17. CONTRACTOR SIGNATURE:

Science Systems and Applications, Inc.  
NNG12HP08C  
Task Order Statement of Work

Task Order Number: CY4\_079\_Rev0

Task Order Title: Support in analysis of satellite and aircraft trace constituent data

1.0 Task Monitor (TM):

Name: Bryan Duncan  
Organization: 614: Atmospheric Chemistry and Dynamics Laboratory  
Email Address: bryan.n.duncan@nasa.gov

2.0 Description of Work to be Performed

The contractor will download, analyze and plot satellite and aircraft data, including HIPPO, TCCON, GMD, AIRS, SCIAMACHY, MOPITT, DISCOVER-AQ, and GOSAT. The IDL computer codes produce will be used in scientific research. The contractor will use these data to evaluate output (i.e., atmospheric trace gas distributions) from the NASA GEOS-5 Chemistry Climate Model, particularly from the "Quick Methane", "Full Chemistry", and "Stratospheric Tracer" options. The work will support research in the multi-decadal evolution of atmospheric methane and the influence of stratospheric intrusions on surface air quality and emissions estimation.

3.0 Special Requirements

None

4.0 Performance/Milestone Schedule

The SAS Contract Year 4 POP is May 01, 2015 - April 30, 2016

5.0 Deliverables/Reporting Requirements

- Contributions to scientific publications, workshops/conferences/symposia, both oral presentations and written contributions.
- Quarterly and annual reports.
- Delivery and availability of quality-controlled datasets and web-based material.
- Software and hardware documentation.
- Reports documenting participation in conferences, workshops, symposia, working groups and field activities.

6.0 Other Information Needed for Performance of Task

No travel is required for this task order.

## 7.0 Data Rights

N/A

## 8.0 Safety

Staff on this task shall comply with federal, state, local, and center safety regulations. This shall be accomplished through management emphasis, technical training, and personal responsibility. Staff shall participate in safety orientation and training in accordance with the contract Safety and Health Plan, and work within the requirements of that plan.

## 9.0 Risk

Contractor shall provide ongoing risk assessment and mitigation in performance of the Task Order. Priorities shall be re-evaluated as appropriate with the TM. Cost and schedule performance shall be assessed on a regular basis (no less frequently than monthly) and significant variations discussed and acted on in consultation with the TM and COR.

## 10.0 Proposed Cost and Fixed Fee

In accordance with Paragraph B.8 of the contract, propose the Cost and Fixed Fee amount.